

SEQUENCE LISTING

<110> Lee, Richard T.

<120> CARDIOVASCULAR DISEASE DIAGNOSTIC AND THERAPEUTIC TARGETS

<130> B0801/7231/ERP/KA

<150> US 60/247,457

<151> 2000-11-09

<160> 33

<170> FastSEQ for Windows Version 3.0

<210> 1

<211> 2586

<212> DNA

<213> Rattus norvegicus

<220>

<221> mRNA

<222> (1)...(2586)

<223> Fit-1S

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<212> PRT
<213> Rattus norvegicus

<220>
<221> PEPTIDE
<222> (1)...(336)
<223> Fit-1S

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35 40 45
Ile Asn Pro Val Glu Trp Tyr Tyr Ser Asn Thr Asn Glu Arg Ile Pro
50 55 60
Thr Gln Lys Arg Asn Arg Ile Phe Val Ser Arg Asp Arg Leu Lys Phe
65 70 75 80
Leu Pro Ala Lys Val Glu Asp Ser Gly Ile Tyr Thr Cys Val Ile Arg
85 90 95
Ser Pro Glu Ser Ile Lys Thr Gly Ser Leu Asn Val Thr Ile Tyr Lys
100 105 110
Arg Pro Pro Asn Cys Lys Ile Pro Asp Tyr Met Met Tyr Ser Thr Val
115 120 125
Asp Gly Ser Asp Lys Asn Ser Lys Ile Thr Cys Pro Thr Ile Ala Leu
130 135 140
Tyr Asn Trp Thr Ala Pro Val Gln Trp Phe Lys Asn Cys Lys Ala Leu
145 150 155 160
Gln Gly Pro Arg Phe Arg Ala His Met Ser Tyr Leu Phe Ile Asp Lys
165 170 175
Val Ser His Val Asp Glu Gly Asp Tyr Thr Cys Arg Phe Thr His Thr
180 185 190
Glu Asn Gly Thr Asn Tyr Ile Val Thr Ala Thr Arg Ser Phe Thr Val
195 200 205
Glu Glu Lys Gly Phe Ser Thr Phe Pro Val Ile Thr Asn Pro Pro His
210 215 220
Asn Tyr Thr Val Glu Val Glu Ile Gly Lys Thr Ala Asn Ile Ala Cys
225 230 235 240
Ser Ala Cys Phe Gly Thr Ala Ser Gln Phe Val Ala Val Leu Trp Gln
245 250 255

Ile Asn Lys Thr Arg Ile Gly Ser Phe Gly Lys Ala Arg Ile Gln Glu
260 265 270
Glu Lys Gly Pro Asn Lys Ser Ser Asn Gly Met Ile Cys Leu Thr
275 280 285
Ser Leu Leu Arg Ile Thr Gly Val Thr Asp Lys Asp Phe Ser Leu Lys
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Tyr Asp Cys Val Ala Met Asn His His Gly Val Ile Arg His Pro Val
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Arg Leu Arg Arg Lys Gln Pro Ser Lys Glu Cys Leu Ser Gln Ile Ala
325 330 335

<210> 3
<211> 2065
<212> DNA
<213> Rattus norvegicus

<220>
<221> mRNA
<222> (1)...(2065)
<223> Fit-1M

<400> 3

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<210> 4
<211> 566
<212> PRT
<213> Rattus norvegicus

<220>
<221> PEPTIDE
<222> (1)...(566)
<223> Fit-1M

<400> 4

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35 40 45
Ile Asn Pro Val Glu Trp Tyr Tyr Ser Asn Thr Asn Glu Arg Ile Pro
50 55 60
Thr Gln Lys Arg Asn Arg Ile Phe Val Ser Arg Asp Arg Leu Lys Phe
65 70 75 80
Leu Pro Ala Lys Val Glu Asp Ser Gly Ile Tyr Thr Cys Val Ile Arg
85 90 95
Ser Pro Glu Ser Ile Lys Thr Gly Ser Leu Asn Val Thr Ile Tyr Lys
100 105 110
Arg Pro Pro Asn Cys Lys Ile Pro Asp Tyr Met Met Tyr Ser Thr Val
115 120 125
Asp Gly Ser Asp Lys Asn Ser Lys Ile Thr Cys Pro Thr Ile Ala Leu
130 135 140
Tyr Asn Trp Thr Ala Pro Val Gln Trp Phe Lys Asn Cys Lys Ala Leu
145 150 155 160
Gln Gly Pro Arg Phe Arg Ala His Met Ser Tyr Leu Phe Ile Asp Lys
165 170 175
Val Ser His Val Asp Glu Gly Asp Tyr Thr Cys Arg Phe Thr His Thr
180 185 190
Glu Asn Gly Thr Asn Tyr Ile Val Thr Ala Thr Arg Ser Phe Thr Val
195 200 205
Glu Glu Lys Gly Phe Ser Thr Phe Pro Val Ile Thr Asn Pro Pro His
210 215 220
Asn Tyr Thr Val Glu Val Glu Ile Gly Lys Thr Ala Asn Ile Ala Cys
225 230 235 240
Ser Ala Cys Phe Gly Thr Ala Ser Gln Phe Val Ala Val Leu Trp Gln
245 250 255
Ile Asn Lys Thr Arg Ile Gly Ser Phe Gly Lys Ala Arg Ile Gln Glu
260 265 270
Glu Lys Gly Pro Asn Lys Ser Ser Asn Gly Met Ile Cys Leu Thr
275 280 285
Ser Leu Leu Arg Ile Thr Gly Val Thr Asp Lys Asp Phe Ser Leu Lys
290 295 300
Tyr Asp Cys Val Ala Met Asn His His Gly Val Ile Arg His Pro Val
305 310 315 320
Arg Leu Arg Arg Lys Gln Pro Ile Asp His Gln Ser Thr Tyr Tyr Ile
325 330 335
Val Ala Gly Cys Ser Leu Leu Leu Met Phe Ile Asn Val Leu Val Ile
340 345 350
Val Leu Lys Val Phe Trp Ile Glu Val Ala Leu Phe Trp Arg Asp Ile

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370	375	380
Ile Ile Tyr Pro Arg Val Phe Arg Gly Ser Ala Ala	Gly Thr Gly Ser	
385	390	395
Val Glu Tyr Phe Val His Tyr Thr Leu Pro Asp Val	Leu Glu Asn Lys	400
405	410	415
Cys Gly Tyr Lys Leu Cys Ile Tyr Gly Arg Asp Leu	Leu Pro Gly Gln	
420	425	430
Asp Ala Ala Thr Val Val Glu Ser Ser Ile Gln Asn	Ser Arg Arg Gln	
435	440	445
Val Phe Val Leu Ala Pro His Met Met His Ser Lys	Glu Phe Ala Tyr	
450	455	460
Glu Gln Glu Ile Ala Leu His Ser Ala Leu Ile	Gln Asn Asn Ser Lys	
465	470	475
Val Ile Leu Ile Glu Met Glu Pro Met Gly	Glu Ala Ser Arg Leu Gln	
485	490	495
Leu Gly Asp Leu Gln Asp Ser Leu Gln His Leu Val	Lys Met Gln Gly	
500	505	510
Thr Ile Lys Trp Arg Glu Asp His Val Ala Asp Lys	Gln Ser Leu Ser	
515	520	525
Ser Lys Phe Trp Lys His Val Arg Tyr Gln Met Pro	Val Pro Lys Arg	
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Leu Asp Leu Lys His Phe		560
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<210> 5

<211> 1614

<212> DNA

<213> Rattus norvegicus

<220>

<221> mRNA

<222> (1)...(1614)

<223> vacuolar ATPase

<400> 5

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<210> 6
<211> 511
<212> PRT
<213> Rattus norvegicus

<220>
<221> PEPTIDE
<222> (1)...(511)
<223> vacuolar ATPase

<400> 6

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Thr	Val	Ser	Gly	Val	Asn	Gly	Pro	Leu	Val	Ile	Leu	Asp	His	Val	Lys
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Phe	Pro	Arg	Tyr	Ala	Glu	Ile	Val	His	Leu	Thr	Leu	Pro	Asp	Gly	Thr
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Lys	Arg	Ser	Gly	Gln	Val	Leu	Glu	Val	Ser	Gly	Ser	Lys	Ala	Val	Val
							85		90			95			
Gln	Val	Phe	Glu	Gly	Thr	Ser	Gly	Ile	Asp	Ala	Lys	Lys	Thr	Ser	Cys
							100		105			110			
Glu	Phe	Thr	Gly	Asp	Ile	Leu	Arg	Thr	Pro	Val	Ser	Glu	Asp	Met	Leu
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Gly	Arg	Val	Phe	Asn	Gly	Ser	Gly	Lys	Pro	Ile	Asp	Arg	Gly	Pro	Val
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Val	Leu	Ala	Glu	Asp	Phe	Leu	Asp	Ile	Met	Gly	Gln	Pro	Ile	Asn	Pro
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Gln	Cys	Arg	Ile	Tyr	Pro	Glu	Glu	Met	Ile	Gln	Thr	Gly	Ile	Ser	Ala
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Ile	Asp	Gly	Met	Asn	Ser	Ile	Ala	Arg	Gly	Gln	Lys	Ile	Pro	Ile	Phe
							180		185			190			
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Gln	Ala	Gly	Leu	Val	Lys	Lys	Ser	Lys	Asp	Val	Val	Asp	Tyr	Ser	Glu
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Glu	Asn	Phe	Ala	Ile	Val	Phe	Ala	Ala	Met	Gly	Val	Asn	Met	Glu	Thr
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Val	Cys	Leu	Phe	Leu	Asn	Leu	Ala	Asn	Asp	Pro	Thr	Ile	Glu	Arg	Ile
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Ile	Thr	Pro	Arg	Leu	Ala	Leu	Thr	Thr	Ala	Glu	Phe	Leu	Ala	Tyr	Gln
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Cys Glu Lys His Val Leu Val Ile Leu Thr Asp Met Ser Ser Tyr Ala
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305 310 315 320
Arg Gly Phe Pro Gly Tyr Met Tyr Thr Asp Leu Ala Thr Ile Tyr Glu
325 330 335
Arg Ala Gly Arg Val Glu Gly Arg Asn Gly Ser Ile Thr Gln Ile Pro
340 345 350
Ile Leu Thr Met Pro Asn Asp Asp Ile Thr His Pro Ile Pro Asp Leu
355 360 365
Thr Gly Tyr Ile Thr Glu Gly Gln Ile Tyr Val Asp Arg Gln Leu His
370 375 380
Asn Arg Gln Ile Tyr Pro Pro Ile Asn Val Leu Pro Ser Leu Ser Arg
385 390 395 400
Leu Met Lys Ser Ala Ile Gly Glu Gly Met Thr Arg Lys Asp His Ala
405 410 415
Asp Val Ser Asn Gln Leu Tyr Ala Cys Tyr Ala Ile Gly Lys Asp Val
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Gln Ala Met Lys Ala Val Val Gly Glu Glu Ala Leu Thr Ser Asp Asp
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Leu Leu Tyr Leu Glu Phe Leu Gln Lys Phe Glu Lys Asn Phe Ile Thr
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Gln Gly Pro Tyr Glu Asn Arg Thr Val Tyr Glu Thr Leu Asp Ile Gly
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<210> 7
<211> 2747
<212> DNA
<213> Rattus norvegicus

<220>
<221> mRNA
<222> (1)...(2747)
<223> glycoprotein CD44

<400> 7

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<213> Rattus norvegicus

<220>

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<222> (1)...(583)

<223> Lot-1

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Leu Gln Glu His Lys Tyr Ser Pro Val Pro Thr Ser Phe Ala Pro Phe		
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Val Ser Met Pro Met Lys Ala Asp Leu Lys Gly Phe Cys Asn Met Gly		
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Ser Gln Cys Phe Glu Met Ala Lys Glu Gly Phe Gly Lys Val Thr Leu		
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Pro Lys Glu Leu Leu Val Asp Ala Val Asn Ile Ala Ile Pro Gly Ser		
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385	390	395
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<223> ST2L

<400> 14

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<210> 15
<211> 2681
<212> DNA
<213> Bos taurus

<220>
<221> mRNA
<222> (1)...(2681)
<223> Bovine vacuolar H+-ATPase

<400> 15

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caa	tt	cc	tt	tt	ttt	1980
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<210> 16
<211> 2594
<212> DNA
<213> Homo sapiens

<220>
<221> mRNA
<222> (1)...(2594)
<223> human vacuolar H+-ATPase

<400> 16

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<210> 17
<211> 1536
<212> DNA
<213> Mus musculus

<220>
<221> mRNA
<222> (1)...(1536)
<223> mouse vacuolar H⁺-ATPase

<400> 17

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<210> 18
<211> 2820
<212> DNA
<213> Homo Sapiens

<220>
<221> mRNA
<222> (1)...(2820)
<223> human vacuolar H⁺-ATPase (56,000 subunit -H057)

<400> 18

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<223> human vacuolar H⁺-ATPase B subunit

<400> 19

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<211> 2676

<212> DNA

<213> Bos taurus

<220>

<221> mRNA

<222> (1)...(2676)

<223> bovine vacuolar H⁺-ATPase B subunit

<400> 20

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<212> DNA
<213> Gallus gallus

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<222> (1)...(3035)
<223> gallus vacuolar H+-ATPase

<400> 21

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<212> DNA

<213> Homo sapiens

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<221> mRNA
<222> (1)...(1737)
<223> human CD44R

<400> 22

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<220>

<221> mRNA
<222> (1)...(1297)
<223> human CD44

<400> 23

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<213> Mus musculus

<220>
<221> mRNA
<222> (1)...(1177)
<223> mouse CD44

<400> 24

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<211> 4632

<212> DNA

<213> Homo sapiens

<220>

<221> mRNA

<222> (1)...(4632)

<223> human LOT1

<400> 26

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<210> 27

<211> 2828

<212> DNA

<213> Homo sapiens

<220>

<221> mRNA

<222> (1)...(2828)

<223> human ZAC zinc finger protein

<400> 27

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<211> 3975

<212> DNA

<213> Mus musculus

<220>

<221> mRNA

<222> (1)...(3975)

<223> mouse ZAC1 zinc finger protein

<400> 28

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<210> 29

<211> 536

<212> DNA

<213> Homo sapiens

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atgtttcttg	ataatthaag	aaaattcaat	ttatgtctgt	ggtatatactt	ccagtaat	360
aaaattttca	gaattttaag	agttttcag	gtagaaaaat	ttagcaaaac	caaaagagaa	420
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<210> 30

<211> 2059

<212> DNA

<213> Homo sapiens

<220>

<221> mRNA

<222> (1)...(2059)

<223> putative nucleotide binding protein,
estradiol-induced (E2IG3)

<400> 30

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<210> 31
<211> 1943
<212> DNA
<213> Mus musculus

<220>
<221> mRNA
<222> (1)...(1943)
<223> mouse mrg-1

<400> 31

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<210> 32
<211> 6324
<212> DNA
<213> Homo sapiens

<220>
<221> mRNA
<222> (1)...(6324)
<223> human p35srj

<400> 32

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